

WORLD TRADE CENTER
85th FLOOR
STROBE
INSTALLATION AND
REMOVAL PLAN

1 8/23/99 AS-BID
 No. Date Revision Approved

ENGINEERING DEPARTMENT
DESIGN DIVISION

WORLD
TRADE
CENTER

ELECTRICAL

Title
FIRE ALARM SYSTEM
DEVICE UPGRADE
PHASE III
1 WORLD TRADE CENTER
CONTRACT NO. 3

85th FLOOR
STROBE
INSTALLATION AND
REMOVAL PLAN

This drawing subject to conditions in Contract. All inventions, ideas, designs and methods herein are reserved to Port Authority and may not be used without its written consent.

S. FELDSTEIN N. APOSTLE A.S.
 Designed by Drawn by Checked by

August 9, 1999
 Date

WTC-861.176 E-085-4
 Contract Number Drawing Number

1. FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES, SEE DWG. E-1. FOR INSTALLATION DETAILS, SEE DWG. E-2. FOR WIRING DIAGRAMS, SEE DWG. E-3.
2. REPLACE EXISTING STROBE WITH THE SHOWN CANDELA RATED STROBE, AND REWIRE AS SHOWN. EXISTING BACKBOX AND CONDUIT STUB CAN BE UTILIZED IF IT IS SIMILAR TO THE TYPICAL STROBE OR COMBINATION BOX. SEE INSTALLATION DETAIL 'B' ON DWG. E-2.
3. ONLY AFTER INSTALLED STROBES ARE TESTED AND OPERATIONAL, SHALL CONTRACTOR REMOVE EXISTING STROBE IN THE PRESENCE OF THE ENGINEER. PATCH WALL TO MATCH EXISTING WALL FINISH.
4. SINCE FIRE ALARM CIRCUIT LENGTH IS CRITICAL, ROUTING AND INSTALLATION OF ALL FIRE ALARM CIRCUITS SHALL BE AS SHOWN ON DRAWING.
5. DISCONNECT AND ABANDON EXISTING STROBE CIRCUITS IN CEILING. TAPE ENDS OF ABANDONED CONDUCTORS AND TAG AS ABANDONED. THIS WORK SHALL BE DONE IN THE PRESENCE OF THE ENGINEER.

STROBE CIRCUIT/LOADING TABLE

STROBE TYPE AND RATING	TYPE	15cd	30cd	75cd	110cd	CURRENT PER CIRCUIT (AMPS.)	CIRCUIT LENGTH (ft.)
	CURRENT IN AMPS (A)	0.063	0.100	0.165	0.209		
QUANTITY OF STROBES PER CIRCUIT	STR-A	7	2	2	0	0.971	404
	STR-B	8	4	1	0	1.069	525
	STR-C	14	1	0	0	0.982	389
	STR-D	5	1	0	2	0.833	288
	STR-E	5	2	1	1	0.889	319
	STR-F	4	2	2	0	0.782	348
GRAND TOTAL						5.526	2273

